

53883-331

04/04/2013

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505C)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

53883-331

Date of Issuance:

APR - 4 2013

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

CSI Chlorpyrifos 42 CS

Name and Address of Registrant (include ZIP Code):

Control Solutions, Inc.  
5903 Genoa-Red Bluff Road  
Pasadena, TX 77507-1041

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

Signature of Approving Official:

Venus Eagle, Product Manager 01  
Insecticide-Rodenticide Branch, Registration Division (7505P)

Date:

APR - 4 2013

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3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No 53883-331."
4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF , dated March 5, 2013

If you have any questions, please contact Julie Chao at 703-308-8735 or [chao.julie@epa.gov](mailto:chao.julie@epa.gov).

Venus Eagle  
Product Manager 01  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Enclosure

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**RESTRICTED USE PESTICIDE**  
For retail sale to and use only by certified applicators or persons under their direct supervision,  
and only for those uses covered by the certified applicator's certification.

# CSI Chlorpyrifos 42 CS

**Insecticide**

(alternate name: Pyrofos™ 42 CS)

(alternate name: Pyrofos™ 42 CS Controlled Release Premise Insecticide)

Controlled Release Premise Insecticide [optional descriptor]

**ACTIVE INGREDIENT:**

Chlorpyrifos.....41.85%

**OTHER INGREDIENTS:**

58.15%

100.00%

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**FIRST AID**

This product contains an organophosphate that inhibits cholinesterase.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**HOT LINE NUMBER**

For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center, 1-800-222-1222, day or night, for emergency medical treatment information [or SafetyCall® at (866) 897-8050]. **FOR CHEMICAL EMERGENCY:** Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

**NOTE TO PHYSICIAN:** If symptoms of cholinesterase inhibition are present, atropine sulphate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Net Contents: \_\_\_\_\_ [Gallons] [Quarts] [Fl. Oz]

**ACCEPTED**

APR - 4 2013

**Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:**

EPA Reg. No: 53883-331

### PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds, fish and aquatic invertebrates. Birds feeding in the treated area may be killed. Clean up spilled product to reduce exposure to wildlife. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not spray where electrical short circuits might result, such as wall outlets, conduits, motors, switches, etc. Do not spray directly onto or into any electronic equipment.

**DIRECTIONS FOR USE**

**IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.**

**Restrictions:**

- Not for Residential Use
- Do not contaminate food, feedstuffs or water supply
- All food contact surfaces and cooking utensils must be covered during treatment or thoroughly washed with an effective cleaning compound followed by a potable water rinse.
- Cover fish tanks prior to application.

**DO NOT**

- apply to humans, their clothing or bedding
- allow children or pets to come in contact with treated surfaces until spray has dried.
- contaminate food or use on household pets
- contaminate food preparation surfaces, kitchen utensils, dishes, or feed storage containers

**PRODUCT INFORMATION:** CSI Chlorpyrifos 42 CS is a liquid microencapsulated concentrate containing the active ingredient chlorpyrifos [for use in and around (within 6 to 10 feet) the following sites:

Calf Hutches and Calving Pens and Parlors; Cargo Holds of Ships, Empty Chicken Houses, Food and Non-Food Areas of Manufacturing, Industrial Plants and Food Processing Plants; Hog Barns; Milk Rooms; Railroad Boxcars] *[optional]*

**CSI Chlorpyrifos 42 CS** may be used to treat any surface which will not be damaged or marked by water. Heavy applications may leave a noticeable deposit. On some surfaces this deposit can be removed with a damp cloth or sponge.

**CSI Chlorpyrifos 42 CS Controls:** Angoumois Grain Moths, Aphids, Ants(except carpenter, fire, harvester, and pharaoh), Bees, Beetles, Boxelder Bugs, Cadelles, Carpet Beetles, Cigarette Beetles, Clover Mites, Cluster Flies, Confused Flour Beetle, Crickets, Darkling Beetles, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Flea Beetles, Flies, Gnats, Grain Mites, Indian Meal Moths, Leafhoppers, Leaf Miner, Mealworms, Mediterranean Flour Moths, Millipedes, Moths, Northern Fowl Mites, Psocids, Rod Flour Beetle, Saw-toothed Grain Beetles, Scale, Silverfish, Sowbugs, Spiders(except black widow and brown recluse), Stink Bugs, Trogoderma, and Weevils (Granary Weevils and Rice Weevils) *[optional]*

**MIXING INSTRUCTIONS:****Shake product well before diluting.**

Before using **CSI Chlorpyrifos 42 CS**, thoroughly clean spray equipment. When diluting, first add approximately 1/2 of the water to the spray tank and then add the proper amount of **CSI Chlorpyrifos 42 CS**. Add the remaining water and agitate the sprayer thoroughly. Agitate sprayer frequently during use to ensure even coverage. Shake or re-agitate sprayer if spraying is interrupted or if dilution is left in sprayer overnight. When emptying the bottle, triple rinse with water and add the rinsate to the spray tank.

If used, spray screens must be 50 mesh or larger.

In situations where conventional application methods have not or are not likely to provide sufficient coverage, foam generating equipment or similar equipment may be used to provide a continuous coverage. Use drier foam inside wall voids to avoid any water damage or electrical short circuits.

**COMMERCIAL INDOOR TREATMENTS**

**FOR USE IN:** Food and non-food areas of manufacturing, industrial, and food processing plants, warehouses, ship holds, and railroad boxcars.

**Application within food areas is limited to spot and / or crack and crevice treatments. When using as a spot treatment, do not exceed 2 sq. ft. per individual spot. Do not re-apply more than once every 7 days.**

**SPRAY DILUTION CHART:** Dilute **CSI Chlorpyrifos 42 CS** with water as indicated in the chart below.

<b>Amount of Finished Spray</b>	<b>0.25% Spray</b>	<b>0.5% Spray</b>
1 gallon	0.7 fl oz	1.4 fl oz
3 gallons	2.1 fl oz	4.1 fl oz
5 gallons	3.4 fl oz	6.9 fl oz
10 gallons	6.8 fl oz	13.8 fl oz

**NOTE:** Use the higher rate for clean-outs, for longer residual control or for high insect infestations.

**Apply CSI Chlorpyrifos 42 CS** as a crack and crevice residual product where insects may be hiding, living and breeding and/or for selected spot treatment.

**PESTS**

Cockroaches, crickets, dermestid beetles, earwigs, firebrats, millipedes, psocids, silverfish, sowbugs, spiders (except black widow or brown recluse)	Spot treat and/or make crack and crevice injections into areas where insects are normally found for example crack and crevices, void areas, moist areas, openings around pipes, sinks and under refrigerators. Repeat as necessary.
Carpet beetles (Dermestids)	Thoroughly apply the spray as a spot treatment along edges of carpet, under carpet edge (if necessary), under furniture and throw rugs. Use as a crack and crevice application in closets and other shelving where infested items are stored. DO NOT treat clothing with this product. Repeat application as necessary.
For exposed adult and larval stages of grain mites, stored product beetles, grain weevils and stored product moths	Inject into cracks and crevices and/or voids where these insects may be hiding. Infested areas include, but are not limited to, cracks and crevices in cabinets, pantries, wall voids and in machinery. Repeat application as necessary.
Ants (except carpenter, fire, harvester, or pharaoh)	Inject cracks, crevices, and voids where ants may be traveling and/or hiding, around doors, window frames, and other structural cracks, crevices and voids. Spot treatment of trails and feeding areas may also be made.
Hibernating stages of boxelder bugs, elm leaf beetles, and clover mites	Inject into cracks and crevices and/or voids where these insects may be hiding or hibernating. Infested areas include, but are not limited to, cracks and crevices in weep holes, wall voids, around window and door frames, and under siding. Repeat application as necessary. Treat wall area around entry points on exterior where insects gather.

**APPLICATIONS IN FOOD PROCESSING ESTABLISHMENTS**

**FOR USE IN:** Food and Non-Food Areas of Manufacturing, Industrial and Food Processing Plants. Non-food areas include boiler rooms, garbage rooms, drains (to sewers), entries and vestibules, machine rooms, garages, mop closets, and storage (after canning or bottling). Treating within food areas of food processing plants is limited to spot and/or crack and crevice treatments.

Treat where insects are found or normally occur. Application of a 0.25% solution is suitable for control of light pest infestations (i.e. maintenance applications). Applications of a 0.5% solution provides residual control of heavy infestations (i.e. clean-out applications) and where extended residual control is desired. A period of 4-7 days is usually required to observe maximum effectiveness on insect populations. Do not re-apply more than once per every 7 days. Apply spray solution so that spray drift is minimized to avoid non-target surfaces. When using as a spot treatment, do not exceed 2 sq. ft. per individual spot.

### COMMERCIAL OUTDOOR BUILDING TREATMENTS

Outdoor commercial perimeter applications - manufacturing, industrial, and food-processing plants and warehouses	To help prevent infestations of buildings, treat band of soil 6-10 ft wide around and adjacent to the building. Also treat the building foundation to a height of 2-3 ft and where pests are active and may find entrance. Treat other insect entry points around doors, windows, under decks and on fences. This product may be applied in compressed air equipment or power spray equipment. Depending on type of equipment used to apply product and landscaping of perimeter, use 0.2 to 0.8 fl oz per 1,000 sq ft. For larger spray equipment, use 2.3 to 4 fl oz of product per 50 gallons of water applied at 10 gallons of dilution per 1,000 sq ft. (50 gallons will cover 5000 square feet.)
Ants (except carpenter, fire, harvester, and pharaoh), crickets, and other crawling insects	For treatment of localized infestations of these insects in outdoor areas which are landscaped, planted, mulched or unmaintained, spray infested areas thoroughly. For ants thoroughly wet hills and runways. Repeat applications as infestation warrants and as reinfestations occur. Apply at a rate of 1.4 fluid ounces per gallon
Flies	Flies must be directly contacted by spray droplets for control. Flies will be killed on contact. Apply at a rate of 2.3 to 4 fluid ounces per gallon per 1000 square feet. Spray where flies are seen and congregate, such as inside and outside dumpsters, and other garbage containers and garbage storage bins or areas. Apply at a rate of 1.4 fluid ounces per gallon
Hibernating stages of boxelder bugs, elm leaf beetles, and clover mites	Apply into cracks, crevices, and voids where insects may be harboring or hibernating, such as wall voids, weep holes, crevices around door or window frames, and under siding. Apply to outdoor wall surfaces around entry points where insects congregate. Apply at a rate of 1.4 fluid ounces per gallon Repeat as needed, at least 7 days apart.

### LIVESTOCK HOUSING

**FOR USE IN:** Livestock Housing and Holding Areas (Hog Barns, Empty Chicken Houses, Milk rooms, Calf Hutches, Calving Pens, and Parlors).

**CSI Chlorpyrifos 42 CS** may be applied in compressed air backpack or power spray equipment. Depending on type of equipment used to apply product and landscaping of perimeter, use 0.2 – 0.8 fl oz per 1,000 sq ft. For larger spray equipment, use 2.3 to 4 fl oz of product per 50 gallons of water applied at 10 gallons of dilution per 1,000 sq ft. (50 gallons will cover 5000 square feet.)

**Restrictions:**

- Do not apply to lactating or food animals.
- Do not contaminate milk, food, or drinking water.
- Remove all animals prior to making application to housing.
- Do not apply or allow insecticide to drift into animals.
- Do not allow animals to enter treated areas until surfaces are dry.

Flies must be directly contacted by spray droplets for control. Flies will be killed on contact. Apply at rate of 5 to 8 fluid ounces per gallon per 1000 square feet. Spray where flies are seen and congregate, such as screen doors, window frames, light fixtures, ceilings and upper corners, inside and outside dumpsters, and other garbage containers and garbage storage bins or areas.

For control of darkling beetles in poultry production facilities mix **CSI Chlorpyrifos 42 CS** at a rate of 0.9 to 2.3 ounces/1,000 sq. ft. of floor area, in .5 gallons of water/1,000 sq. ft. of floor area. Apply to litter, paying particular attention to areas under feeder lines, water lines, and the perimeter. Conduct application as close to bird placement as possible. Repeat applications may be made just prior to placement of each flock. It is important to rotate chemical classes of insecticides on as part of a rotation program to avoid resistance to any class of insecticides.

For control of other pests and to help prevent infestations of buildings, treat a band of soil 6-10 ft wide around and adjacent to the building. Also treat the building foundation and sides where pest are active and may enter. Treat other insect entry points such as doors, windows, under siding and eaves of structure.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store upright at room temperature. Avoid exposure to extreme temperatures.

**Spill Procedures:** In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

**Pesticide Disposal:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

#### Container Disposal:

**For Containers equal to or less than 5 Gallons :** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**For Containers greater than 5 Gallons:** Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**For Bulk containers: (Refillable Container)** Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

**WARRANTY STATEMENT**

CONTROL SOLUTIONS, INC. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of CONTROL SOLUTIONS, INC. All such risks shall be assumed by the Buyer. To the extent consistent with applicable law, except as expressly provided herein, CONTROL SOLUTIONS, INC. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, the exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at CONTROL SOLUTIONS, INC. election, the replacement of this product.

EPA Reg. No. 53883-GGR

EPA EST. NO. XXXX-XXX-XX

Control Solutions Inc.  
5903 Genoa-Red Bluff  
Pasadena, Texas 77507

*[optional marketing claims]*

**CSI Chlorpyrifos 42 CS** is a liquid concentrate for use in and around (within 6 to 10 feet) the following sites:

Calf Hutches and Calving Pens and Parlors; Cargo Holds of Ships, Empty Chicken Houses, Food and Non-Food Areas of Manufacturing, Industrial Plants and Food Processing Plants; Hog Barns; Milk Rooms; Railroad Boxcars *[optional]*

**CSI Chlorpyrifos 42 CS Controls:** Angoumois Grain Moths, Aphids, Ants(except carpenter, fire, harvester, and pharaoh), Bees, Beetles, Boxelder Bugs, Cadelles, Carpet Beetles, Cigarette Beetles, Clover Mites, Cluster Flies, Confused Flour Beetle, Crickets, Darkling Beetles, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Flea Beetles, Flies, Gnats, Grain Mites, Indian Meal Moths, Leafhoppers, Leaf Miner, Mealworms, Mediterranean Flour Moths, Millipedes, Moths, Northern Fowl Mites, Psocids, Rod Flour Beetle, Saw-toothed Grain Beetles, Scale, Silverfish, Sowbugs, Spiders(except black widow and brown recluse), Stink Bugs, Trogoderma, and Weevils (Granary Weevils and Rice Weevils) *[optional]*

Liquid Concentrate for use in and around (within 6 to 10 feet) livestock housing, commercial buildings, industrial plants and food processing plants. *[optional marketing statement]*

*CapVantage™ Technology [optional marketing statement, trademark name of microencapsulation technology]*